

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Aloe vera

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
77	ZINC	Leaf	11.0	770.0	4.198735238139277	--
14	ARGININE	Leaf		78216.0	4.040361114705058	--
1	SERINE	Leaf		23540.0	2.8994578607835177	--
0	CARBOHYDRATES	Leaf		896000.0	2.259738229658458	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
4	THREONINE	Leaf		14652.0	1.6302832433742858	--
23	FOLIC-ACID	Leaf	27.0	200.0	0.9999999999999997	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry
0	WATER	Plant		995000.0	0.9592516998257824	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
3	ALANINE	Leaf		15769.0	0.737970393738035	--
8	GLUTAMIC-ACID	Leaf		43256.0	0.28830994883469857	--
15	FIBER	Leaf		177000.0	0.1912434448814181	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
112	ASCORBIC-ACID	Leaf		6260.0	0.13692813428133838	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
3	VALINE	Leaf		12769.0	0.02133791872334207	--
6	IRON	Leaf	30.0	300.0	-0.1601568835092345	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry
60	SELENIUM	Leaf		2.3	-0.20582736095134732	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	KILOCALORIES	Leaf		2800.0	-0.35152942013081173	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
4	SILICON	Leaf		2.2	-0.40664836341939714	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
39	NIACIN	Leaf		64.0	-0.4074895973394803	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
14	MANGANESE	Leaf		0.6	-0.45888840936498615	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
4	TIN	Leaf		11.0	-0.5530067419183887	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
1	SODIUM	Leaf	40.0	510.0	-0.5567053929446788	--
7	GLUCOSE	Leaf	280.0	1030.0	-0.6406770531666487	--
4	PHOSPHORUS	Leaf	6.0	940.0	-0.7417351347095709	--
5	ALUMINUM	Leaf		22.0	-0.756963512814621	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
8	TYROSINE	Leaf		5073.0	-0.8148273240686774	--
7	PHENYLALANINE	Leaf		7103.0	-0.8189293423736816	--
3	ISOLEUCINE	Leaf		8526.0	-0.9114311540762737	--
28	CALCIUM	Leaf	190.0	4600.0	-0.9454619722825477	--
0	FAT	Leaf		8000.0	-0.965694190278755	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
15	FOLACIN	Leaf	0.027	0.2	-1.0215226996703113	--
53	BETA-CAROTENE	Leaf		3.0	-1.1248743086080972	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	PROLINE	Leaf		3339.0	-1.1450504019821863	--
4	LYSINE	Leaf		7748.0	-1.1656410239523205	--
65	MAGNESIUM	Leaf		930.0	-1.233985540583036	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
14	POTASSIUM	Leaf	100.0	850.0	-1.3023924982974464	--
12	GLYCINE	Leaf		5030.0	-1.4304208502349065	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	LEUCINE	Leaf		6952.0	-1.4724738413689846	--
7	HISTIDINE	Leaf		2327.0	-1.5303131560149847	--
0	PROTEIN	Leaf	10000.0	57000.0	-1.5447289828536024	--
31	THIAMIN	Leaf		0.8	-1.5639990589196717	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
4	CALCIUM-OXALATE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
24	ALOE-EMODIN	Plant				--
2	CYSTINE	Juice				Waller, G. R., Mangiafico, S., Ritchey, C. R. 1978. A Chemical Investigation of Aloe barbadensis. Proc. Okla. Acad. Sci. 58: 69-.
0	POLYURONIDE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
2	ALOESIN	Leaf				--
0	MANNAN	Leaf				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	OLEIC-ACID-METHYL-ESTER	Shoot				Afzal, M., Ali, M., Hassan, R. A. H., Sweedan, N., Dhami, M. S. I. 1991. Identification of Some Prostanoids in Aloe vera Extracts. Plant Medica, 57(1): 38-40.
0	FERALOLIDE	Leaf		14.5		Choi, J. S., Lee, S. K., Sung, C. K., Jung, J. H. 1996. Phytochemical Study of Aloe vera. Arch. Pharm. Res., 19(2): 163-167.
0	-D-GLUCITOL	Plant				Pakistan Encyclopedia Planta Medica. 1986.
53	BETA-CAROTENE	Stem Essent. Oil		7.2		Rowe, T. D., Parks, L. M. 1941. A Phytochemical Study of Aloe vera Leaf. J. Amer. Pharm. Ass. Sci. Ed., 30: 262-266.
3	XYLOSE	Plant				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
1	GALACTOSE	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ALOIN-A	Leaf		31.8		Choi, J. S., Lee, S. K., Sung, C. K., Jung, J. H. 1996. Phytochemical Study of Aloe vera. Arch. Pharm. Res., 19(2): 163-167.
12	STIGMASTEROL	Shoot				Afzal, M., Ali, M., Hassan, R. A. H., Sweedan, N., Dhami, M. S. I. 1991. Identification of Some Prostanoids in Aloe vera Extracts. Plant Medica, 57(1): 38-40.
0	NONADEC-1-ENE	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
0	BARBALOIN-A	Leaf				Saleem, R., Faizi, S., Deeba, F., Siddiqui, B. S., Qazi, M. H. 1997. Anthrones from Aloe barbadensis. Phytochemistry, 45(6): 1279-1282.
0	D-GALACTOURONIC-ACID	Plant				--
0	ARABINAN	Plant				Pakistan Encyclopedia Planta Medica. 1986.
21	LUPEOL	Leaf				--
0	8-C-GLUCOSYL-7-O-METHYL-ALOEDIOL	Juice		71.6		Okamura, N., Hine, N., Tateyama, Y., Nakazawa, M., Fujioka, T., Mihashi, K., Yagi, A. 1997. Three Chromones of Aloe vera Leaves. Phytochemistry, 45(7): 1511-1513.
0	DIHEPTYL-PHTHALATE	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
0	LYSOPHOSPHATIDYL-INOSITOL	Shoot				Afzal, M., Ali, M., Hassan, R. A. H., Sweedan, N., Dhami, M. S. I. 1991. Identification of Some Prostanoids in Aloe vera Extracts. Plant Medica, 57(1): 38-40.
24	CHROMIUM	Leaf				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	ALOINOSIDE-A	Plant				Pakistan Encyclopedia Planta Medica. 1986.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	N-HENEICOSANE	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
0	RHAMNOSE	Plant				--
3	ASPARTIC-ACID	Leaf				Waller, G. R., Mangiafico, S., Ritchey, C. R. 1978. A Chemical Investigation of Aloe barbadensis. Proc. Okla. Acad. Sci. 58: 69-.
13	LIGNIN	Plant				Pakistan Encyclopedia Planta Medica. 1986.
5	ALOCUTIN-A	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	1,1,2-TRIPHENYL-CYCLOPROPANE	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
30	POLYPHENOLS	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	ALOEFERON	Juice				Madis, V. H., Omar, M. M., Madis, V. 1984. Aloefoeron Isolation Manufacture, and Applications. Patent-US-4,861,761: 8 pp.
0	HEXAURONIC-ACID	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	MAGNESIUM-LACTATE	Plant				--
1	OLEIC-ACID-ETHYL-ESTER	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
58	EMODIN	Leaf				Saleem, R., Faizi, S., Deeba, F., Siddiqui, B. S., Qazi, M. H. 1997. Anthrones from Aloe barbadensis. Phytochemistry, 45(6): 1279-1282.
2	CAMPESTEROL	Leaf				--
0	NATALOIN	Plant				Pakistan Encyclopedia Planta Medica. 1986.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ALOIN-B	Leaf		31.8		Choi, J. S., Lee, S. K., Sung, C. K., Jung, J. H. 1996. Phytochemical Study of Aloe vera. Arch. Pharm. Res., 19(2): 163-167.
0	STEARIC-ACID-ETHYL-ESTER	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
0	D-GALACTAN	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	APOISE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	LINOLEIC-ACID-ETHYL-ESTER	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
0	THREITOL	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	8-C-GLUCOSYL-7-O-METHYL-(S)-ALOESOL	Leaf				Okamura, N., Asai, M., Hine, N., Yagi, A. 1996. High-Performance Liquid Chromatographic Determination of Phenolic Compounds in Aloe Species. J. Chromatogr. 746(2): 225-231.
0	DIBUTYL-PHTHALATE	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
12	ARACHIDONIC-ACID	Shoot				Afzal, M., Ali, M., Hassan, R. A. H., Sweedan, N., Dhami, M. S. I. 1991. Identification of Some Prostanoids in Aloe vera Extracts. Plant Medica, 57(1): 38-40.
2	CHOLINE-SALICYLATE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	ALOINOSE	Plant				Pakistan Encyclopedia Planta Medica. 1986.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	D-GLUCOSE	Leaf				Haq, Q. N., Hannan, A. 1981. Studies on Glucogalactomannan from the Leaves of Aloe vera Tourn. (Ex. Linn). Bangladesh J. Sci. Ind. Res. 16 1/4: 68-72.
0	RESITANNOLS	Plant				--
2	ASPARAGINE	Leaf				Waller, G. R., Mangiafico, S., Ritchey, C. R. 1978. A Chemical Investigation of Aloe barbadensis. Proc. Okla. Acad. Sci. 58: 69-.
47	BETA-SITOSTEROL	Plant				--
0	ALIINASE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	UNDECYL-CYCLOHEXANE	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
2	PHYTOSTEROLS	Plant				Pakistan Encyclopedia Planta Medica. 1986.
24	ALOE-EMODIN	Juice				--
0	HECOGENIN	Plant				Pakistan Encyclopedia Planta Medica. 1986.
18	OLEIC-ACID	Shoot				Afzal, M., Ali, M., Hassan, R. A. H., Sweedan, N., Dhami, M. S. I. 1991. Identification of Some Prostanoids in Aloe vera Extracts. Plant Medica, 57(1): 38-40.
0	ELGONICA-DIMER-B	Leaf		2.7		Choi, J. S., Lee, S. K., Sung, C. K., Jung, J. H. 1996. Phytochemical Study of Aloe vera. Arch. Pharm. Res., 19(2): 163-167.
0	2(3H)-BENZOTHIAZOLONE	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
1	MUCOPOLYSACCHARIDES	Plant				Pakistan Encyclopedia Planta Medica. 1986.
12	ALOIN	Leaf				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
8	STEARIC-ACID	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
0	CREATININE	Leaf	1.0	15.0		Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry
0	ANTHROL	Plant				Pakistan Encyclopedia Planta Medica. 1986.
27	LINOLEIC-ACID	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
0	8-C-GLUCOSYL-7-O-METHYL-(S)-ALOESOL	Juice				Okamura, N., Hine, N., Tateyama, Y., Nakazawa, M., Fujioka, T., Mihashi, K., Yagi, A. 1997. Three Chromones of Aloe vera Leaves. Phytochemistry, 45(7): 1511-1513.
0	PHOSPATIDIC-ACID	Shoot				Afzal, M., Ali, M., Hassan, R. A. H., Sweedan, N., Dhami, M. S. I. 1991. Identification of Some Prostanoids in Aloe vera Extracts. Plant Medica, 57(1): 38-40.
18	RHEIN	Juice				Vittori, N., Collins, M. 1996. Production of Rhein and Rhein Derivatives for Treatment of Mycobacterial Infections.
20	CHOLINE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	ALOETINIC-ACID	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
3	GLUCOMANNAN	Leaf				Mandal, G., Das, A. 1980. Characterization of the Polysaccharides of Aloe barbadensis Miller, Part II. Structure of the Glucomannan Isolated from the Leaves of Aloe barbadensis Miller. Carbohydr. Res. 87: 249-256.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	RESIN	Plant				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
12	ARACHIDONIC-ACID	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
0	L-ASPARAGINE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	ALEOSONE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	DODECYL-CYCLOHEXANE	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
14	ACEMANNAN	Leaf				--
0	D-GALACTURONIC-ACID	Plant				--
0	N-OCTADECANE	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
0	ELGONICA-DIMER-A	Leaf		7.2		Choi, J. S., Lee, S. K., Sung, C. K., Jung, J. H. 1996. Phytochemical Study of Aloe vera. Arch. Pharm. Res., 19(2): 163-167.
0	TRIDECYLBENZENE	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
3	MUCILAGE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
2	ALOESIN	Juice				Rauwald, H. W., Maucher, R., Niyonizima, D. D. 1997. Three 8-C-glucosyl-5-methyl-chromones from <i>Aloe barbadensis</i> (Ph. Eur. 1997). Pharmazie, 52(12): 962-964.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	SPHINGOMYELIN	Shoot				Afzal, M., Ali, M., Hassan, R. A. H., Sweedan, N., Dhami, M. S. I. 1991. Identification of Some Prostanoids in Aloe vera Extracts. Plant Medica, 57(1): 38-40.
57	COUMARIN	Plant				Pakistan Encyclopedia Planta Medica. 1986.
6	ANTHRAQUINONES	Plant		300000.0		Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
0	LAURIC-ACID-METHYL-ESTER	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
0	9-PROPAONOYL-METHOXY-METHYL-PHENANTHRENE	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
0	PROTEIN	Juice		25000.0		Waller, G. R., Mangiafico, S., Ritchey, C. R. 1978. A Chemical Investigation of Aloe barbadensis. Proc. Okla. Acad. Sci. 58: 69-.
1	CHOLESTEROL	Leaf	40.0	120.0		--
0	ALOETIN	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	D-GALACTOSE	Leaf				Haq, Q. N., Hannan, A. 1981. Studies on Glucogalactomannan from the Leaves of Aloe vera Tourn. (Ex. Linn). Bangladesh J. Sci. Ind. Res. 16 1/4: 68-72.
0	QUINONE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	ARACHIDIC-ACID-METHYL-ESTER	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	DEHYDROABIETAL	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
0	BETA-BARBALOIN	Plant				=ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp
0	MYRISTIC-ACID-METHYL-ESTER	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
0	ALBUMIN	Leaf	1.0	5.0		Aloe Research Council - Duke writeup of non-peer reviewed book by Coats and draft by Henry
0	CYCLOEICOSANE	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
24	ALOE-EMODIN	Leaf		45.4		--
8	GLYCEROL	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	7-HYDROXY-8-O-METHYL-ALOIN-B	Juice		1608.0		Ikamura, N., Hine, N., Harada, S., Fujioka, T., Mihashi, K., Nishi, M., Miyahara, K., Yagi, A. 1997. Diastereomeric C-Glucosylanthrones of Aloe vera Leaves. Photochemistry, 45(7): 1519-1522.
0	8-C-GLUCOSYLCHROMONE-ALOERESIN-B	Plant				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	OCTADECA-9,12-DIENOIC-ACID-METHYL-ESTER	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
1	CHOLESTEROL	Shoot				Afzal, M., Ali, M., Hassan, R. A. H., Sweedan, N., Dhami, M. S. I. 1991. Identification of Some Prostanoids in Aloe vera Extracts. Plant Medica, 57(1): 38-40.
8	FRUCTOSE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	TETRADECYLBENZENE	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
3	MANNOSE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	ALOERESIN-F	Juice				Rauwald, H. W., Maucher, R., Niyonizima, D. D. 1997. Three 8-C-glucosyl-5-methyl-chromones from Aloe barbadensis (Ph. Eur. 1997). Pharmazie, 52(12): 962-964.
47	BETA-SITOSTEROL	Leaf				--
6	CONIFERYL-ALCOHOL	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	ANTHRAQUINONE-GLYCOSIDE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
7	LAURIC-ACID	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
1	PENTADECANOIC-ACID	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
0	ISORABAICHROMONE	Juice		1457.0		Okamura, N., Hine, N., Tateyama, Y., Nakazawa, M., Fujioka, T., Mihashi, K., Yagi, A. 1997. Three Chromones of Aloe vera Leaves. Phytochemistry, 45(7): 1511-1513.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	CHLORIDE	Leaf	10.0	110.0		Aloe Research Council - Duke writeup of non-peer reviewed book by Coats and draft by Henry
0	ALOETIC-ACID	Plant				Pakistan Encyclopedia Planta Medica. 1986.
1	GALACTOSE	Leaf				--
0	PURINE	Leaf	1.0	56.0		Aloe Research Council - Duke writeup of non-peer reviewed book by Coats and draft by Henry
0	ARABINOSE	Leaf				--
0	ALOE-CHRYSONE	Leaf				Saleem, R., Faizi, S., Deeba, F., Siddiqui, B. S., Qazi, M. H. 1997. Anthrones from Aloe barbadensis. Phytochemistry, 45(6): 1279-1282.
1	BENZYL-ACETONE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
6	MYRISTIC-ACID	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
25	P-COUMARIC-ACID	Juice				Waller, G. R., Mangiafico, S., Ritchey, C. R. 1978. A Chemical Investigation of Aloe barbadensis. Proc. Okla. Acad. Sci. 58: 69.
0	PECTIC-ACID	Plant				Pakistan Encyclopedia Planta Medica. 1986.
3	XYLOSE	Leaf				--
5	GLUTAMINE	Leaf		20607.0		--
0	10-HYDROXYALOIN-B	Juice		2172.0		Ikamura, N., Hine, N., Harada, S., Fujioka, T., Mihashi, K., Nishi, M., Miyahara, K., Yagi, A. 1997. Diastereomeric C-Glucosylanthrones of Aloe vera Leaves. Phytochemistry, 45(7): 1519-1522.
0	D-ARABINOSE	Plant				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	OCTADECA-6,9-DIENOIC-ACID-METHYL-ESTER	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
25	P-COUMARIC-ACID	Leaf				Doff, W. 1953. In Vitro Tuberculostatic Action of Aloe and its Most Important Components. Arzneim-Forsch 3: 627-630.
13	FORMIC-ACID	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	ALOERESIN-E	Leaf				Okamura, N., Asai, M., Hine, N., Yagi, A. 1996. High-Performance Liquid Chromatographic Determination of Phenolic Compounds in Aloe Species. J. Chromatogr. 746(2): 225-231.
0	PHOSPHATIDYL-SERINE	Shoot				Afzal, M., Ali, M., Hassan, R. A. H., Sweedan, N., Dhami, M. S. I. 1991. Identification of Some Prostanoids in Aloe vera Extracts. Plant Medica, 57(1): 38-40.
2	COBALT	Leaf				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	ANTHRANOLS	Plant				--
0	PHOSPHATIDYL-INOSITOL	Shoot				Afzal, M., Ali, M., Hassan, R. A. H., Sweedan, N., Dhami, M. S. I. 1991. Identification of Some Prostanoids in Aloe vera Extracts. Plant Medica, 57(1): 38-40.
0	DODECYL-BENZENE	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
0	PALMITOLEIC-ACID-METHYL-ESTER	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	POLYSACCHARIDE	Juice				Gowda, D. C., Nellisiddaiah, B., Anjaneyalu, Y. V. 1979. Structural Studies of Polysaccharides from Aloe vera. Carbohydr. Res. 72: 201-205.
1	CATALASE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	ALOESONE	Plant				--
8	FRUCTOSE	Stem Essent. Oil				Rowe, T. D., Parks, L. M. 1941. A Phytochemical Study of Aloe vera Leaf. J. Amer. Pharm. Ass. Sci. Ed., 30: 262-266.
0	PTEROYLGUTAMIC-ACID	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	ANTHRANOL	Juice				Waller, G. R., Mangiafico, S., Ritchey, C. R. 1978. A Chemical Investigation of Aloe barbadensis. Proc. Okla. Acad. Sci. 58: 69.
0	ISOBARBALOIN	Plant				=ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp
0	ALOE-BARBENDON	Root		9.0		Saleem, R., Faizi, S., Deeba, F., Siddiqui, B. S., Qazi, M. H. 1997. Anthrones from Aloe barbadensis. Phytochemistry, 45(6): 1279-1282.
0	MARGARIC-ACID-METHYL-ESTER	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
0	URONIC-ACID	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	8-METHYL-TOCOL	Plant				Pakistan Encyclopedia Planta Medica. 1986.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
6	CHRYSOPHANIC-ACID	Juice				Waller, G. R., Mangiafico, S., Ritchey, C. R. 1978. A Chemical Investigation of <i>Aloe barbadensis</i> . Proc. Okla. Acad. Sci. 58: 69-.
0	P-METHOXYBENZYLACETONE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	RHAMNOSE	Leaf				Waller, G. R., Mangiafico, S., Ritchey, C. R. 1978. A Chemical Investigation of <i>Aloe barbadensis</i> . Proc. Okla. Acad. Sci. 58: 69-.
0	7-HYDROXY-8-O-METHYL-ALOIN-A	Juice		2143.0		Ikamura, N., Hine, N., Harada, S., Fujioka, T., Mihashi, K., Nishi, M., Miyahara, K., Yagi, A. 1997. Diastereomeric C-Glucosylanthrones of <i>Aloe vera</i> Leaves. Phytochemistry, 45(7): 1519-1522.
4	BRADYKININASE	Plant				--
0	OCTADECA-10,13-DIENOIC-ACID-METHYL-ESTER	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of <i>Aloe vera</i> (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
0	ISOCITRIC-ACID	Leaf				Kringstad, R., Nordal, A. 1975. Lactone-Forming Acids in Succulent Plants. Phytochemistry, 14: 1868-1870.
6	BARBALOIN	Plant				Suga, T., Hirata, T. 1983. The Efficacy of the <i>Aloe</i> Plants Chemical Constituents and Biological Activities. Cosmet. Toiletries 98(6): 105-108.
0	ALOERESIN-D	Juice				Rauwald, H. W., Maucher, R., Niyonizima, D. D. 1997. Three 8-C-glucosyl-5-methyl-chromones from <i>Aloe barbadensis</i> (Ph. Eur. 1997). Pharmazie, 52(12): 962-964.
0	1,1-BIS-(2-HYDROXY-3,5-DIMETHYL-PHENYL)-2-METHYL-PROPANE	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of <i>Aloe vera</i> (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
18	CINNAMIC-ACID	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ANTHRACENE	Plant				--
0	15-METHYL-HEXADECANOIC-ACID	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
0	4-HYDROXY-3,5-DI-TERT-BUTYL-BENZALDEHYDE	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
0	PALMITIC-ACID-METHYL-ESTER	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
0	3,3'-BIS-P-MENTHANE	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
0	CASANTHRANOL-II	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	ALOESOL	Plant				--
8	FRUCTOSE	Leaf				Rowe, T. D., Parks, L. M. 1941. A Phytochemical Study of Aloe vera Leaf. J. Amer. Pharm. Ass. Sci. Ed., 30: 262-266.
0	PROTEINASE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	ANTHRANOL	Plant				--
14	ACEMANNAN	Juice				Lee, S. Y., Ryu, I. W., Shim, C. S. 1997. Purification and Characterization of Bioactivity Compound Acemannan from Aloe vera. Korean J. Pharmacog., 28(2): 65-71.
0	MARGARIC-ACID	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	UREA	Leaf		10.0		Aloe Research Council - Duke writeup of non-peer reviewed book by Coats and draft by Henry
0	7-HYDROXYALOIN	Plant				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
6	CHRYSTOPHANIC-ACID	Leaf				Mary, N. Y., Christensen, B. V., Beal, J. L. 1956. A Paper Chromatographic Study of Aloe, Aloin and Cascara sagrada. <i>J. Amer. Pharm. Ass. Sci. Ed.</i> , 45: 229-232.
0	P-METHOXY-HYDROCINNAMIC-ACID	Plant				Pakistan Encyclopedia Plantae Medicinae. 1986.
3	MUCILAGE	Leaf				Segal, A., Taylor, J. A., Eoff III, J. C. 1968. A Re-Investigation of the Polysaccharide Material from Aloe vera mucilage. <i>Lloydia</i> 31(4): 423E.
0	10-HYDROXYALOIN-A	Juice		3535.0		Ikamura, N., Hine, N., Harada, S., Fujioka, T., Mihashi, K., Nishi, M., Miyahara, K., Yagi, A. 1997. Diastereomeric C-Glucosylanthrones of Aloe vera Leaves. <i>Photochemistry</i> , 45(7): 1519-1522.
0	ALDOPENTOSE	Leaf				Wealth of India.
0	OCTADEC-7-ENOIC-ACID	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. <i>Biosci Biotech Biochem</i> 57(8): 1350-1352.
0	GALACTAN	Leaf		100.0		Mandal, G., Das, A. 1980. Characterization of the Polysaccharides of Aloe barbadensis, Part I. Structure of the D-Galactan Isolated from Aloe barbadensis Miller. <i>Carbohydr. Res.</i> 86: 247-257.
3	ASPARTIC-ACID	Plant				Pakistan Encyclopedia Plantae Medicinae. 1986.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ALOERESIN-C	Juice				Rauwald, H. W., Maucher, R., Niyonizima, D. D. 1997. Three 8-C-glucosyl-5-methyl-chromones from Aloe barbadensis (Ph. Eur. 1997). Pharmazie, 52(12): 962-964.
1	HYDROXYPROLINE	Juice				Waller, G. R., Mangiafico, S., Ritchey, C. R. 1978. A Chemical Investigation of Aloe barbadensis. Proc. Okla. Acad. Sci. 58: 69-.
0	CHRYSTOPHANOL-GLYCOSIDE	Plant				--
1	AMYLASE	Leaf	0.0	20.0		Aloe Research Council - Duke writeup of non-peer reviewed book by Coats and draft by Henry
0	N-HEXADECANE	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
5	SAPONINS	Plant				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
0	BEHENIC-ACID-METHYL-ESTER	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
0	M-PROTOCATECHUIC-ALDEHYDE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
1	PALMITIC-ACID-ETHYL-ESTER	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
2	PALMITOLEIC-ACID	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
0	CASANTHRANOL-I	Plant				Pakistan Encyclopedia Planta Medica. 1986.
2	ALOESIN	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	PHOSPHATIDYL-ETHANOLAMINE	Shoot				Afzal, M., Ali, M., Hassan, R. A. H., Sweedan, N., Dhami, M. S. I. 1991. Identification of Some Prostanoids in Aloe vera Extracts. <i>Plant Medica</i> , 57(1): 38-40.
0	ANTHRANOL	Leaf				Mary, N. Y., Christensen, B. V., Beal, J. L. 1956. A Paper Chromatographic Study of Aloe, Aloin and Cascara sagrada. <i>J. Amer. Pharm. Ass. Sci. Ed.</i> , 45: 229-232.
0	HYDROXYMETHYLANTHRA QUINONE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	TANNINS	Plant				--
0	D-MANNOSE	Leaf				Haq, Q. N., Hannan, A. 1981. Studies on Glucogalactomannan from the Leaves of Aloe vera Tourn. (Ex. Linn). <i>Bangladesh J. Sci. Ind. Res.</i> 16 1/4: 68-72.
0	7-HYDROXY-CHROMONE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
5	CHRYSAZIN	Leaf				Zwaving, J. H., Elema, E. T. 1976. A Comparative Investigation of Two Methods for the Determination of 1,8-dihydroxyanthracene Derivatives in Vegetable Drugs. <i>Pharm. Weekbl.</i> 111: 1315-.
25	P-COUMARIC-ACID	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	D-GALACTURONIC-ACID	Leaf				--
1	GLUCOSAMINE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	NEOALOESIN-A	Leaf		6.6		Park, M. K., Park, J. H., Shin, Y. G., Kim, W. Y., Lee, J. H., Kim, K. H. 1996. Neoaloesin A: A New C-Glucofuranosyl Chromone from Aloe barbadensis. <i>Planta Medica</i> , 62(4): 363-365.
1	TRIOLEIN	Shoot				Afzal, M., Ali, M., Hassan, R. A. H., Sweedan, N., Dhami, M. S. I. 1991. Identification of Some Prostanoids in Aloe vera Extracts. <i>Plant Medica</i> , 57(1): 38-40.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	OCTADEC-1-ENE	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
0	DECYL-CYCLOHEXANE	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
0	ALOE-POLYSACCHARIDE	Leaf				Ross, S. A., El Sohly, M. A., Wilkins, S. P. 1997. Quantitative Analysis of Aloe vera Mucilaginous Polysaccharide in Commercial Aloe vera Products. J. Aoac. Int. 80(2): 455-457.
0	POLYSACCHARIDE	Leaf				Haq, Q. N., Hannan, A. 1981. Studies on Glucogalactomannan from the Leaves of Aloe vera. Bangladesh J. Sci. Ind. Res. 16: 68-72.
0	GAMOLENIC-ACID	Plant				Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
10	CHRYSTOPHANOL	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	N-HEPTADECANE	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
0	SAPOGENIN	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	BETA-BARBALOIN	Juice				Mukerji, B. 1953. The Indian Pharmaceutical Codex. Vol. I- Indigenous Drugs. Council of Scientific and Industrial Research, New Delhi, India.
0	ALOENIN	Plant				Pakistan Encyclopedia Planta Medica. 1986.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	N-EICOSANE	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
0	7-HYDROXY-6'-O-P-COUMAROYL-ALOIN-B	Leaf				Rauwald, H. W. 1987. New Hydroxyaloins: The 'Periodate-Positive' Substance from Cape Aloes and Cinnamoyl Esters from Curacao Aloes. Pharm. Weekbl. (Sci. Ed.) 9(4): 215.
0	HYDROCINNAMIC-ACID	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	STEROIDS	Plant				--
13	PALMITIC-ACID	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
0	OLIGOSACCHARIDE	Leaf				Mandal, G., Ghosh, R., Das, A. 1984. Characterisation of Polysaccharides of Aloe barbadensis Miller: Part III. Structure of an Acidic Oligosaccharide. Indian J. Chem. 22B: 890-893.
3	MANNOSE	Leaf				--
0	TRIHYDROXYMETHYLANTHRAQUINONE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	2-METHYL-2-PHYTYL-6-CHROMANOL	Plant				Pakistan Encyclopedia Planta Medica. 1986.
2	PHOSPHATIDYL-CHOLINE	Shoot				Afzal, M., Ali, M., Hassan, R. A. H., Sweedan, N., Dhami, M. S. I. 1991. Identification of Some Prostanoids in Aloe vera Extracts. Plant Medica, 57(1): 38-40.
0	OXIDASE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
4	CALCIUM-OXALATE	Leaf				Rowe, T. D., Parks, L. M. 1941. A Phytochemical Study of Aloe vera Leaf. J. Amer. Pharm. Ass. Sci. Ed., 30: 262-266.
3	GLUCOMANNAN	Plant				Pakistan Encyclopedia Planta Medica. 1986.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ISOALOESOL-D	Juice				Okamura, N., Hine, N., Tateyama, Y., Nakazawa, M., Fujioka, T., Mihashi, K., Yagi, A. 1997. Three Chromones of Aloe vera Leaves. Phytochemistry, 45(7): 1511-1513.
0	TRICOSANOIC-ACID-METHYL-ESTER	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
0	N-NONADECANE	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
13	CYSTEINE	Leaf				Yagi, A., Shida, T., Nishimura, H. 1987. Effect of Amino Acids in Aloe Extract on Phagocytosis by Peripheral Neutrophil in Adult Bronchial Asthma. Jap. J. Allergol. 36(12): 1094-1101.
58	EMODIN	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	ALOE-GLYCOPROTEIN	Juice				Yagi, A., Egusa, T., Arase, M., Tanabe, M., Tsuji, H. 1997. Isolation and Characterization of the Glycoprotein Fraction with Proliferation-Promoting Activity on Human and Hamster Cells in Vitro from Aloe vera Gel. Planta Medica, 63(1):18-21.
0	MONOOCTYLPHTHALATE	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
0	CYCLOOXYGENASE	Plant				Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
6	CHRYSOPHANIC-ACID	Plant				--
0	ALPHA-CELLULOSE	Plant				Pakistan Encyclopedia Planta Medica. 1986.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	HEPTADEC-1-ENE	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
15	RIBOFLAVIN	Leaf				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
6	BARBALOIN	Juice				--
21	LUPEOL	Plant				--
2	CAMPESTEROL	Plant				--
0	ALOE-EMODIN-ANTHRANOL	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	N-DOCOSANE	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
0	7-HYDROXY-6'-O-P-COUMAROYL-ALOIN-A	Leaf				Rauwald, H. W. 1987. New Hydroxyaloins: The 'Periodate-Positive' Substance from Cape Aloes and Cinnamoyl Esters from Curacao Aloes. Pharm. Weekbl. (Sci. Ed.) 9(4): 215.
0	HOMONATALOIN	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	POLYSACCHARIDE	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	OLEIC-ACID-METHYL-ESTER	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
0	8-[C-BETA-D-[2-O-(TRANS)-CINNAMOYL]-GLUCOPYRANOSEYL]-2-[(R)-2-HYDROXYPROPYL]-7-METHOXY-5-METHYL-CHROMONE	Leaf		13.1		Hutter, J. A., Salman, M., Svinoha, W. B., Satsangi, N., Williams, R. F., Streeper, R. T., Weintraub, S. T. 1996. Antiinflammatory C-Glucosyl Chromone from Aloe barbadensis. J. Nat. Prod., 59(5): 541-543.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	GLUCOGALACTOMANNAN	Leaf				--
0	1,8-DIHYDROXYANTHRACENE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
1	CHOLESTEROL	Plant				Suga, T., Hirata, T. 1983. The Efficacy of the Aloe Plants Chemical Constituents and Biological Activities. Cosmet. Toiletries 98(6): 105-108.
1	NIACINAMIDE	Plant				--
0	GLOBULIN	Leaf	0.0	2.0		Aloe Research Council - Duke writeup of non-peer reviewed book by Coats and draft by Henry
0	ISOALOERESIN-D	Leaf				--
0	SULFOQUINOVOSYL-DIGLYCERIDE	Shoot				Afzal, M., Ali, M., Hassan, R. A. H., Sweedan, N., Dhami, M. S. I. 1991. Identification of Some Prostanoids in Aloe vera Extracts. Plant Medica, 57(1): 38-40.
0	NONADEC-TRANS-5-ENE	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
0	ISOBARBALOIN	Leaf				--
0	DI-(2-ETHYLHEXYL)-PHTHALATE	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	ARABINOSE	Plant				--
0	8-C-GLUCOSYL-(S)-ALOESOL	Juice		50.9		Okamura, N., Hine, N., Tateyama, Y., Nakazawa, M., Fujioka, T., Mihashi, K., Yagi, A. 1997. Three Chromones of Aloe vera Leaves. Phytochemistry, 45(7): 1511-1513.
0	DIOCTYL-PHTHALATE?	Juice				Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
12	ARACHIDONIC-ACID	Plant				Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
0	CHRYSAMMINIC-ACID	Plant				Pakistan Encyclopedia Planta Medica. 1986.
0	ALOINS	Plant	270000.0	300000.0		=ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp
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6	BARBALOIN	Leaf		42400.0		--
0	LIPASE	Leaf	0.0	16.0		Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry